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CLAIMS WE CLAIM:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~Solid bowl screw centrifuge having a screw (3) which can be rotated at a differential rotational speed relative to the drum (2), the drum (2) having a solids discharge (8) at its preferably conical end, and having, at its end situated opposite the conical end, at least one or more weir type discharge openings (11) arranged with an axial drum lid (9), and a centripetal chamber section (12) being connected behind the drum lid (9) with the discharge openings (10), in which centripetal chamber section (12) a centripetal pump (13) is arranged for discharging the liquid phase from the solid bowl screw centrifuge (1), characterized in that an adjustable throttling device (17) is connected in front of the centripetal pump (13) in the centripetal chamber section, the throttling device (17) being assigned to or connected behind the discharge openings.~~ A solid bowl screw centrifuge comprising:

a drum having a solids discharge at a conical end and at least one discharge opening at an end opposite the conical end, the at least one discharge opening arranged with an axial drum lid;

a screw rotatable at a different speed relative to the drum;

a centripetal chamber section connected behind the drum lid with the at least one discharge opening;

a centripetal pump arranged to discharge a liquid phase from the solid bowl screw centrifuge; and

an adjustable throttling device connected in front of the centripetal pump in the centripetal chamber section, the adjustable throttling device being assigned to the at least one discharge opening.

2. (Currently Amended) ~~Solid~~ The solid bowl screw centrifuge according to Claim 1, ~~characterized in that~~ wherein the throttling device (17) ~~can be adjusted~~ is adjustable during the ~~an~~ operation as the drum is rotating.

3. (Currently Amended) ~~Solid~~ The solid bowl screw centrifuge according to Claim 1, ~~characterized in that~~ wherein the throttling device (17) permits a continuous adjusting of the ~~a~~ pool depth.

4. (Currently Amended) ~~Solid~~ The solid bowl screw centrifuge according to Claim 1, ~~characterized in that~~ wherein a baffle plate (6) is arranged on the screw (3).

5. (Currently Amended) ~~Solid~~ The solid bowl screw centrifuge according to one of Claims 1 to 2, ~~characterized in that~~ Claim 1, wherein the throttling device (17) is constructed as an element which is stationary during the ~~an~~ operation.

6. (Currently Amended) ~~Solid~~ The solid bowl screw centrifuge according to one of Claims 1 to 3, ~~characterized in that~~ Claim 1, wherein the throttling device (17) is constructed as an element which rotates during the ~~an~~ operation, ~~particularly~~ with the drum (2).

7. (Currently Amended) ~~Solid~~ The solid bowl screw centrifuge according to Claim 3 or 4, ~~characterized in that~~ Claim 1, wherein the throttling device (17) ~~has~~ includes at

least one ~~or more~~ movable disk elements, ~~slide elements and/or pneumatically or hydraulically operable bellows or membrane elements which are preferably~~element assigned directly to the individual at least one discharge openingsopening.

8. (Currently Amended) ~~Solid~~The solid bowl screw centrifuge according to ~~Claim 3 or 4, characterized in that~~Claim 1, wherein the throttling device is constructed as a throttle disk (17) arranged in the centripetal chamber section (12), connected behind the at least one discharge openingsopening and connected in front of the centripetal pump (13).

9. (Currently Amended) ~~Solid~~The solid bowl screw centrifuge according to ~~Claim 6, characterized in that~~8, wherein the throttle disk has an axially movable construction.

10. (Currently Amended) ~~Solid~~The solid bowl screw centrifuge according to ~~one of the preceding claims, characterized in that~~Claim 8, wherein the throttle disk (17) has a swivellable construction.

11. (Currently Amended) ~~Solid~~The solid bowl screw centrifuge according to ~~one of the preceding claims, characterized in that~~Claim 8, wherein the throttle disk is movable by ~~means of~~at least one connecting rod (18) which is penetrated by a stationary feeding pipe (10), which is non-rotatable during the operation, ~~or by a component connected with the feeding pipe (10).~~

12. (Currently Amended) ~~Solid~~The solid bowl screw centrifuge according to ~~one of the preceding claims, characterized in that~~Claim 8, wherein the throttle disk is displaceably guided on ~~the~~a feeding pipe (10) ~~and/or the centripetal pump (26).~~

13. (Currently Amended) ~~Solid~~ The solid bowl screw centrifuge according to one of the preceding claims, characterized in that Claim 1, wherein the throttle disk (17) can be moved is movable between the centripetal pump (13) and the at least one discharge openings ~~(11)~~ opening.

14. (New) The solid bowl screw centrifuge according to Claim 8, wherein the throttle disk is displaceably guided on the centripetal pump.